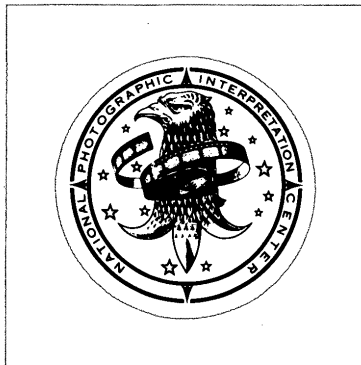


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**P**HOOTOGRAPHIC  
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**PROBABLE CONFIGURATION OF FIVE-  
ELEMENT ANTENNA ARRAYS AT CHINESE  
SSM/SPACE TRACKING FACILITIES,  
CHINA**

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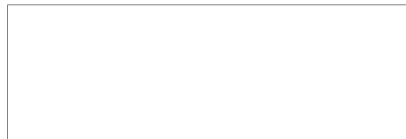
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**DISSEMINATION CONTROL ABBREVIATIONS**

NOFORN-	Not Releasable to Foreign Nationals
NOCONTRACT-	Not Releasable to Contractors or Contractor/Consultants
PROPIN-	Caution-Proprietary Information Involved
USIBONLY-	USIB Departments Only
ORCON-	Dissemination and Extraction of Information Controlled by Originator
REL ...-	This Information has been Authorized for Release to ...

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**PROBABLE CONFIGURATION OF  
FIVE-ELEMENT ANTENNA ARRAYS AT  
CHINESE SSM/SPACE TRACKING  
FACILITIES**

1. A five-element telemetry antenna (IOBJE 52/0591/00) [redacted] Chinese satellite launch (Figure 1). The antenna appears to be a YAGI-type antenna array and is probably the same type seen atop the telemetry control buildings at eight of China's ten SSM/space tracking facilities (Figure 2). These five-element, telemetry antenna arrays, previously considered to be helix antenna arrays, were identified at these facilities between August 1972 and April 1974 (Table 1).

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2. Each antenna array is building-mounted atop a pedestal and comprises five circular reflectors (Figure 3). The center reflector is approximately 1 meter (3.2 feet) in diameter and the outer ones [redacted]

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3. An artist's concept [redacted] shows four large YAGI elements at right angles to each other on the antenna of the center reflector. The outer reflectors each appear to have 18 YAGI elements. These elements are more difficult to discern from the photograph and may possibly be helical in configuration. The antennas are joined together by support wires.

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*Table 1. Five-element Antenna Arrays at Chinese  
SSM/Space Tracking Facilities*

Facility*	
Chang-chiang	
Chang-chun	
Hsin-hua	
Kun-ming	
Lai-yang	
La-sa	
Nan-ning	
Su-lo	

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\*None identified at Ha-la-ka-ssu-te or Sha-hsien.

**REFERENCES**

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Project 143451NF

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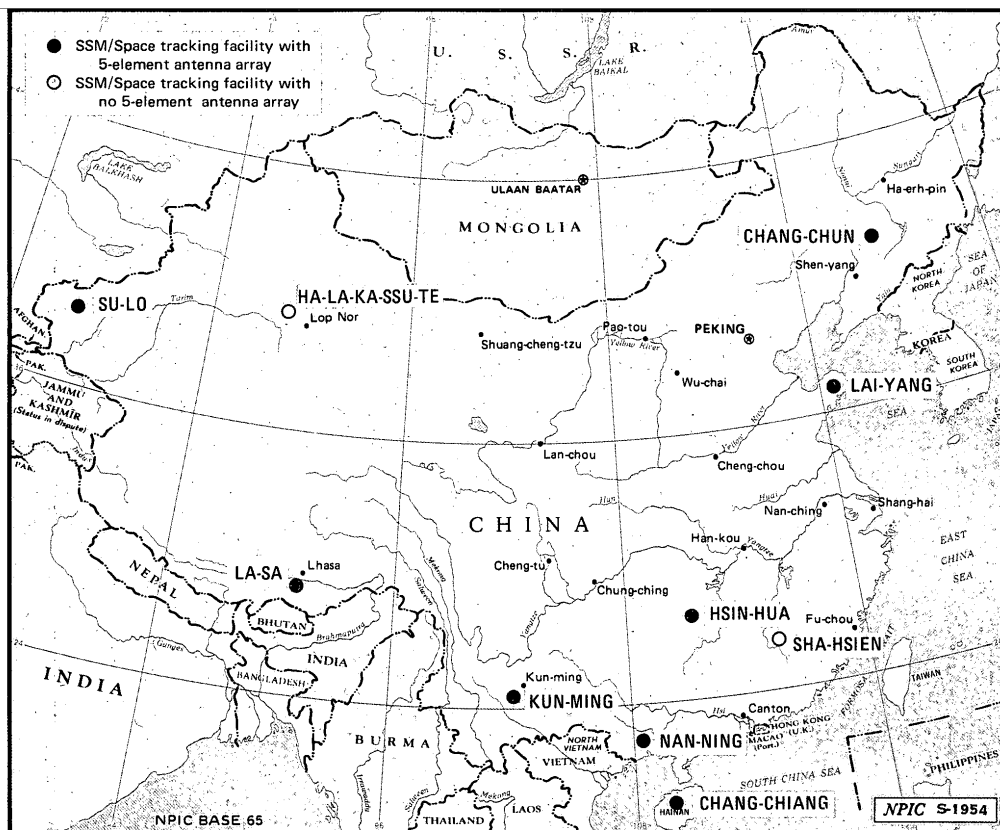


FIGURE 2. LOCATIONS OF CHINESE SSM/SPACE TRACKING FACILITIES

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